

IN THE CLAIMS

1. (currently amended) Analyzer of anisotropy and entropy of an organized chemical system, the analyzer comprising:

a ~~coherent~~ transceiver (21, 22, 27) for radiating a coherent electromagnetic field beacon that ~~provides~~generates radio frequencies including a fundamental spectral line and simultaneously a spectral line of at least one harmonic thereof containing information concerning interaction between the coherent electromagnetic field beacon and an organized chemical system; and

a spectrum analyzer of ~~a continuum of the radio frequencies including~~ the spectral lines for analysis from variation of the spectral lines .

2. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 1, characterized in that it further comprises demodulation means coupled to said coherent transceiver (21, 22, 27) for demodulating the radio frequencies.

3. (previously presented) Analyzer of anisotropy end entropy of organized chemical systems according to claim 1, characterized in that the coherent electromagnetic field beacon is within bands of biological absorption.

4. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 1, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

5. (original) Analyzer of anisotropy and entropy of organized chemical systems according to claim 4, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

6. (currently amended) Method for analyzing anisotropy and entropy of organized chemical systems, characterized in that the method comprises the steps of
radiating coherent electromagnetic frequencies into interaction with an organized chemical system so as to provide from the interaction~~generate~~ radio frequencies including a fundamental spectral line and simultaneously a spectral line of at least one harmonic thereof, and

analyzing a continuum of the radio frequencies ~~including the spectral lines~~ from variation of the spectral lines.

7. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 2, characterized in that the coherent electromagnetic field beacon is within bands of biological absorption.

8. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 2, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

9. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 8, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

10. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 11, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

11. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 3, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

12. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 7, characterized in that said coherent transceiver (21, 22, 27) comprises a cavity (21), and a coherent oscillating module (27) coupled to said cavity (21).

13. (previously presented) Analyzer of anisotropy and entropy of organized chemical systems according to claim 12, characterized in that said coherent transceiver (21, 22, 27) further comprises a module of preliminary injection of electromagnetic impulse (EMP) (22) coupled to said coherent oscillating module (27).

14. (currently amended) In an animal-tissue analyzer of anisotropy and entropy of animal tissues~~organized chemical system~~, the improvements comprising:

a ~~coherent~~ transceiver (21, 22, 27) for radiating into the organized chemical system a coherent electromagnetic field beacon that ~~provides~~~~generates~~ from the animal tissues~~organized chemical system~~ radio frequencies including a fundamental spectral line and simultaneously a spectral line of at least one harmonic thereof for providing a continuum of information concerning interaction between the coherent electromagnetic field beacon and animal tissues~~organized chemical system~~; and

a spectrum analyzer of the continuum of information for analysis from amplitude variation of the spectral lines ~~of the states of anisotropy and entropy of the~~ animal tissues~~organized chemical system~~.

15. (canceled)

16. (previously presented) The analyzer of anisotropy and entropy of an organized chemical system according to claim 1, wherein the at least one harmonic is at least two harmonics.

17. (currently amended) The analyzer of ~~anisotropy and entropy of an organized chemical system~~ according to claim 14, wherein the at least one harmonic is at least two harmonics.

18. (currently amended) The analyzer of ~~anisotropy and entropy of an organized chemical system~~ according to claim 14, wherein the at least one harmonic is at least three harmonics.

19. (currently amended) The analyzer of ~~anisotropy and entropy of an organized chemical system~~ according to claim 17, wherein the harmonics are at MHz frequencies.

20. (currently amended) The analyzer of ~~anisotropy and entropy of an organized chemical system~~ according to claim 18, wherein the fundamental spectral line and at least three higher harmonics are at MHz frequencies.

21. (currently amended) The analyzer of ~~anisotropy and entropy of an organized chemical system~~ according to claim 20, wherein the fundamental frequency spectral line is in a range between 450 and 480 MHz and the spectral lines of the harmonics are in ranges above 900, 1350, and 1800 MHz, respectively.